

CLAIMS

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1. An illuminated bicycle frame apparatus, said apparatus comprising:
- a bike frame, said bike frame being generally hollow, said bike frame being generally translucent;
 - an illumination system, said illumination system comprising;
 - a plurality of lights mounted in said frame; and
 - a power source for powering said plurality of lights, said power source being operationally coupled to each of said plurality of lights, said power source being a plurality of solar panels mounted on said bike frame.
2. The illuminated bicycle frame apparatus as in claim 1, said bike frame comprises:
- said bike frame having a distal portion and a proximal portion, said bike frame comprising a plurality of bars, said bike frame having a handle bar portion, said handle bar portion being rotatably coupled to said proximal portion, said bike frame having a seat mounting bar portion, said seat mounting bar portion being positioned generally between said proximal portion and said distal portion, each of said bars having a peripheral wall, each of said bars being generally hollow and having an inside surface, said bike frame comprising rigid plastic.

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3. The illuminated bicycle frame apparatus as in claim 2,
wherein said illumination system comprises:
a fiber optic illumination system, said fiber optic illumination
system comprising;
a fiber optic light canal, said fiber optic light canal
having a front side and a back side;
a housing for holding said fiber optic light canal, said
housing having a bore therethrough for passage of
said handle bar, said fiber optic light canal being
generally positioned in said bore;
a light, said light being mounted in said back side of
said fiber optic light canal such that said light is
directed toward said front side of said fiber optic
light canal; and
a plurality of fiber optic cables, each of said cables
having opposite ends, a first of said ends being
positioned in said light canal, a length of each of
said cables being positioned in an interior surface
of said peripheral wall of said bars of said frame.

4. The illuminated bicycle frame apparatus as in claim 3,
said fiber optic illumination system comprises:
said interior surface of said peripheral walls of said
bars having fiber optic cable receiving corridors

therein, said corridors having grooves therein for dispersing light.

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5. The illuminated bicycle frame apparatus as in claim 3, further comprising:

an actuating means for turning said light on and off, said actuating means being mounted in a surface of said housing, said actuating means being operationally coupled to said light, said actuating means being a switch.

6. The illuminated bicycle frame apparatus as in claim 5, further comprising:

a second power source for powering said light, said second power source being operationally coupled to said actuating means, said second power source being a battery, said battery being mounted in said housing.

7. An illuminated bicycle frame apparatus, said apparatus comprising:

a bike frame, said bike frame being generally hollow, said bike frame having a distal portion and a proximal portion, said bike frame comprising a plurality of bars,

said bike frame having a handle bar portion, said handle bar portion being rotatably coupled to said proximal portion, said bike frame having a seat mounting bar portion, said seat mounting bar portion being positioned generally between said proximal portion and said distal portion, each of said bars having a peripheral wall, each of said bars being generally hollow and having an inside surface, said bike frame being translucent, said bike frame comprising rigid plastic;

a fiber optic illumination system, said fiber optic illumination system comprising;

a fiber optic light canal, said fiber optic light canal having a front side and a back side, said fiber optic canal being mounted in said handle bar portion;

a housing for holding said fiber optic light canal, said housing having a bore therethrough for passage of said handle bar, said fiber optic light canal being generally positioned in said bore;

a light, said light being mounted in said back side of said fiber optic light canal such that said light is directed toward said front side of said fiber optic light canal;

a plurality of fiber optic cables, each of said cables having opposite ends, a first of said ends being positioned in said light canal, a length of each of said cables being positioned in an interior surface of said peripheral wall of said bars of said frame, said interior surface of said peripheral walls of said bars having fiber optic cable receiving

corridors therein, said corridors having grooves therein for dispersing light;

an actuating means for turning said light on and off, said actuating means being mounted in a surface of said housing, said actuating means being operationally coupled to said light, said actuating means being a switch;

a power source for powering said light, said power source being operationally coupled to said actuating means, said power source being a battery, said battery being mounted in said housing; and

an auxiliary power source, said auxiliary power source comprising a plurality of solar panels, said solar panels being fixedly mounted on said distal portion and said proximal portion of said frame, each of said solar panels being operationally coupled to said actuating means.

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